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## PATENT ABSTRACTS OF JAPAN

(21) Application number: **04092373**(51) Intl. Cl.: **C10L 5/00 A62C 3/04**(22) Application date: **19.03.92**

<p>(30) Priority:</p> <p>(43) Date of application publication: <b>12.10.93</b></p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: <b>IDEMITSU KOSAN CO NIPPON OIL &amp; FATS C</b></p> <p>(72) Inventor: <b>ONODERA SHO ISHIZAKI KOJI KITADA YOSHIYUKI</b></p> <p>(74) Representative:</p>
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### (54) INHIBITOR FOR SPONTANEOUS IGNITION OF COAL

(57) Abstract:

**PURPOSE:** To provide an inhibitor for suppressing the deterioration of coal due to oxidation and the spontaneous ignition of coal during transportation and storage by mixing a specified polyoxyalkylene ether compound with a water-soluble basic amine compound.

**CONSTITUTION:** This inhibitor is obtained by mixing 1-95wt.% polyoxyalkylene ether compound of a propylene oxide content in the polyoxyalkylene part of 10-100wt.% and a weight-average molecular weight of 400-20000 with 99-5wt.% water-soluble basic amine compound. The inhibitor is diluted with water to form a solution of a concentration of 0.01-10wt.% and sprayed on coal in an amount of 1-1000ppm (in terms of the effective component).

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